

Registration Form

For multiple registrations, please copy this form.

	Before May 10	After May 10
<input type="checkbox"/> Member	\$225.00	\$255.00
<input type="checkbox"/> Non-Members (includes WEAT Only Membership)	\$265.00	\$295.00
<input type="checkbox"/> Non-Member (out-of-state)	\$250.00	\$280.00
<input type="checkbox"/> Exhibit-Tabletop	\$300.00	
<input type="checkbox"/> Exhibitor Registration	\$125.00	

Total _____

Registration includes: course materials, continental breakfast, lunch and breaks.

Exhibit Tabletops: one 6' table and two chairs. (electrical included)

Member # _____

Name _____

Agency or Company _____

Address _____

City _____ State _____ Zip _____

Phone _____

Fax _____

Email _____

Method of Payment

☐ Check ☐ MasterCard ☐ Visa ☐ Amex

Credit Card # _____

Expiration Date _____

Card holder signature _____

- ◆ Seats are limited, please register as early as possible.
- ◆ Make checks payable to "WEAT"
- ◆ Workshops will begin promptly at 8:00 am each day.

Send Registration Form with Payment to:
Water Environment Association of Texas
 512 E. Riverside Drive, Suite 101
 Austin, Texas 78704
 Phone (512) 693-0060 - Fax (512) 693-0062
 Email: cheryl@weat.org

About Our Presenters

Mr. Steve Allbee - USEPA Project Director, Gap Analysis; primary author, USEPA's The Clean Water and Drinking Water Infrastructure Gap Analysis; 25 years EPA - development of financing programs; BA, MA, MPA.

Mr. Roger Byrne - Principal, Global Service Manager, GHD's Asset Management Group, Melbourne, Aus; principal author, International Infrastructure Management Manual; 30 years infrastructure management experience; author of over 40 manuals and guides; has executed over 100 Asset Management "Best Practice" audits; BCE, NPRE.

Mr. Duncan Rose - Vice President & Technical Director - Asset Management Group, GHD LLC; Former city/county manager; co-author of WEF's textbook, Managing the Water and Wastewater Utility; 30 years state & local government management; Adjunct Faculty, Florida State University, Askew School of Public Policy; BA, MSP, MAPA.

Overnight Accommodations:

WEAT has reserved a limited block of rooms at the Radisson Hotel Central Dallas, 6060 North Central Expressway, Dallas, Texas 75206. WEAT has obtained discounted single or double rate of \$79.00. The reservation deadline is **May 3, 2006**. After this date, reservations will be accepted on a availability basis. To make your reservation, call (214) 750-6060. Be sure to mention WEAT when making your reservation. Complimentary shuttle service to and from Dallas Love Field airport.

Radisson Hotel Central Dallas
 6060 North Central Expressway
 Dallas, Texas 75206
 1-800-333-3333

Workshop handouts and materials can be found at
www.epa.gov/owm/featinfo.htm

REGISTER ON LINE AT
www.weat.org

TABLETOP EXHIBITS ARE
AVAILABLE AT \$300 EACH
Contact Cheryl at (866) 406-9328

Advancing Asset Management In Your Utility: A "Hands-on" Workshop Approach

Wednesday and Thursday
May 24 & 25, 2006

Radisson Hotel Central Dallas
 6060 North Central Expressway
 Dallas, Texas
 (214) 828-7050



"America's water infrastructure is critical to our nation's environmental, economic, and social health. To help sustain our infrastructure, we should all be striving towards the goal of making Advanced Asset Management concepts and technologies the normal and expected condition of the service, everywhere".

Benjamin H. Grumbles
 Assistant Administrator for Water
 USEPA



USEPA:

- ◆ **Region VI**
- ◆ **Office of Wastewater Management**
- ◆ **Contract Content Providers**
- ◆ **Parsons Water & Infrastructure**
- ◆ **GHD Advanced Asset Management**

The Challenge:

Over the past half century, America has spent trillions of dollars building some of the finest infrastructure that history has ever seen. Indeed, this infrastructural investment has played a substantial role in the sustained wealth, prosperity, and quality of life of our country. But in many communities, this infrastructure is severely stressed from over-use, under-funding of maintenance and renewal, and aging.

A comprehensive approach to managing our capital assets is overdue - one that brings “state of the practice” advanced asset management (“AAM”) concepts, tools, techniques, and technologies to bear on managing for cost-effective performance. This approach, first and foremost, is one that focuses relentlessly on providing **sustained performance of value to the customer at the lowest life-cycle cost and at an acceptable level of risk to the organization.**

The Focus:

The great French author, Victor Hugo, once observed, **“An invasion of armies can be resisted, but not an idea whose time has come.”** Public sector managers have been managing assets for decades. However, it is clear that what we have been doing in the past will not be sufficient to address the growing and increasingly complex challenges that lie ahead. Practical, advanced techniques for better managing assets have been developed and refined in both the private sector in the US and in water and wastewater agencies around the world. Management thinking is centered on long-term effectiveness, service sustainability, and effective environmental management. *How can these advanced asset management concepts, tools and techniques be most effectively transferred into the water and wastewater industry, more specifically, into your agency? Where to start? How to proceed? How to select appropriate tools?*

OPERATOR CERTIFICATION

Certification hours have been requested through TCEQ. To obtain certification hours, attendees must sign roster each day. All attendees will receive a certificate upon completion of course.



The Workshops:

The AAM challenge for US agency officials is one of “knowledge transfer”. **For this reason, these workshops have been designed as an extensive “hands-on” experience.** Each workshop :

- ◆ **Incorporates a real-world “storyline”** to realistically demonstrate an advanced asset management way of approaching difficult asset-driven problems.
- ◆ Is built around **participant exercises** that demonstrate the concepts, techniques and tools of advanced asset management.
- ◆ Is centered on **“case-based” mentoring** by expert asset management practitioners. The agenda is built around five core questions. **The workshops focus on demonstrating, step-by-step, how an agency would select and deploy “Best Appropriate AAM Practices” that are best suited to that agency.**

Agenda Highlights

Day ONE (8:00 am - 4:30 pm)

Introductions, Storyline, Background And Context

- Introduction Of Storyline
- The Changing Utility Industry
- The Emerging Utility Of Tomorrow

Overview Of Fundamental Concepts And Core Practices

- A Definition Of AAM
- The AAM Paradigm
- The Nine Building Blocks Of AAM
- Managing The Asset Base’s “Potential To Fail”
- Payoffs And Benefits, Downsides

Storyline And Worksheets - Tom’s Very Bad Day

Core Question 1: What Is The Current State Of My Assets?

- The Role of Expert Judgment – The “Delphi Group”
- Building a “Process Layout” Schematic
- Creating The “Asset Hierarchy”
- Defining The “Data Standard”
- Initial Condition Analysis, Remaining Physical Life
- Valuation/Asset Consumption/Financial Disclosure From a GASB Perspective

Core Question 2: What Is My Required “Sustainable” Level Of Service (LOS)?

- What Is “LOS”? Why Do It?
- How It Works (Strategic Level Versus Operations Level)
- A “Balanced Scorecard” Approach

Core Question 3: Which Assets Are Critical To Sustained Performance?

- Understanding How My Assets Can Fail
- What The Likelihood Of Failure Is
- What The Consequences Are
- How To Measure Our Agency’s “Business Risk Exposure”

Core Question 4: What Are My Best Minimum Life-Cycle-Cost CIP and O&M Strategies?

- What Alternative “Treatment” (Management) Options Are Feasible?
- Which Is The Best Strategy – “Optimal Renewal Decision Making”?

Discussion, Q & A and Feedback

Day TWO (8:00 am - 3:45 pm)

Summary Of Day 1, Outline Of Day 2

Core Question 4: O&M (Continued)

- Using AAM To Drive Operations And Maintenance
- Moving Systematically Into Reliability Centered And Condition-Based Maintenance

Core Question 4: CIP (Continued)

- Using AAM To Drive The CIP
- Strategic CIP Validation
- Building Your First Asset Management Plan (“AMP”) For The System
- Balancing CIP And O&M Requirements
- The Strategic CIP Business Plan

Core Question 5: What Is My Best Long-Term Funding Strategy?

- So, Valuation Really Does Matter?
- Determining A Sustainable Renewal Funding Level
- Effectively Telling The Funding Story
- The “Whole Of Business” Perspective – Using AAM For Rate Setting & Budgeting

Focus Topic 1: Deploying An AAM Program

- The Three Fundamental Deployment Strategies
- “Gap Analysis” Benchmarking & Developing The AAM Improvement Program
- The Human Side
- The Political Side
- Implementation Work Plans – Lessons Learned

Focus Topic 2: Meeting The IT Challenge - Toward An Enterprise Asset Management System (“EAMS”)

- Defining “Work Processes”
- Defining “System Functionality”
- Defining Data Needs And Data Flows
- Developing An EAMS Work Plan

Closing Summary, Questions, Comments, Evaluation, Discussion Of Basic Audit